Date: Tue, 19 Jul 94 04:30:23 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #240
To: Ham-Equip

Ham-Equip Digest Tue, 19 Jul 94 Volume 94 : Issue 240

Today's Topics:

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 18 Jul 94 19:21:40 GMT
From: ihnp4.ucsd.edu!agate!barrnet.net!ccmail.com!
Gary.Lau.-.N6MMM@network.ucsd.edu
Subject: 2m Mobile for $200?
To: ham-equip@ucsd.edu

In article <MORAWSKI.94Jul16193738@starbase.starbase.mitre.org>

morawski@starbase.starbase.mitre.org (Paul Morawski) writes:

> I got my Alinco DJ-180T for under $200 from HRO new. It's not
> fancy, but I've had no trouble with it and it performs well for
> me.

whereas In article <30a4o8$sn3@blue.weeg.uiowa.edu>
jnmeade@blue.weeg.uiowa.edu (James Meade) wrote:

> Can one buy a used 2m mobile with CTSS, digital keypad, and 25 watts for $200,
> or is this an unreasonable hope?
>
> Any suggestions on models and conditon are welcome. I'de use it mostly for
> station based packet with some mobile operation.

Handhelds aside, it's possible to buy a used 2m mobile with the above
features-- I sold one myself a couple of years ago for I think $150 or
$175 and last I heard, it's still doing OK (but Murphy's Law intervened
after I sold the rig-- the PA went out on it. The ham I sold it to was
resourceful and got a replacement part).

Check some of the larger ham shops around the country that have a used
gear department or scour the classifieds. A gem may show up.

Gary Lau
cc:Mail, a divison of Lotus Development Corporation
Internet: glau@ccmail.com
Amateur : N6MMM @ AA4RE.#NOCAL.CA.USA.NOAM

Date: Mon, 18 Jul 94 10:13:13 PDT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!citrus!
earldom!jre@network.ucsd.edu
Subject: 70cm band
To: ham-equip@ucsd.edu

> Radio Shack has the HTX-404 on sale, and I considered playing with this
> band to get away from all the crapola on 2 meters - but, a few days
> of listening with the wife's scanner has shown there seems to be no
> activity here in central Ohio (Columbus). Is 440 a waste of time and
> money, or is there something out there I don't know about?

Hi Steve;

To show you how popular the band is out here in California, LA has NO
440 channels left for repeaters. Sacramento (20 miles from me) is also
full. I'm suprised that Columbus isn't packed as well. There just ins't

as much activity on 440 as there is on 2-meters (we call it the CB band out here). But that is what is good about it. You can even put up your own repeater. Most of the 440 repeaters out here are listed as "closed", but you can usually listen for a while, then hop on and ask some questions about the repeater. Most the owners are very friendly, and won't care if you use it. Just ask. The worse thing they can do is say "no".

To put up your own repeater, I'd recommend getting a Motorola Micor mobile. They can be had for as little as $10 (or as much as $100). Very easy to convert into a repeater. If you can't afford a duplexer, just run two antennas (one for the tx, one for the rx). After it is up a while, people will start popping on, and you'll make friends and supporters in no time. I did that here in Sacramento. The hardest part is getting a site for the repeater. It can be done at no cost, but will take some ingenuity.

---

(916) 729-6825 Jim Earl - KB6KCP (916) 929-0300 x233
(home) jre@earldom.sacbbx.com (work)

Date: 18 Jul 1994 15:02:10 -0700
From: nntp.crl.com!crl2.crl.com!not-for-mail@decwrl.dec.com
Subject: Alinco DR-1200T
To: ham-equip@ucsd.edu

I'm thinking of picking up one of these mobile Alincos for data as well as voice. Any good/bad/whatever stories?

TNX

--

James Schumann, KE6DMY
schumann@crl.com

Date: 18 Jul 1994 21:37:02 GMT
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!lll-winken.llnl.gov!unixhub!headwall.Stanford.EDU!glass@network.ucsd.edu
Subject: Antenna safety
To: ham-equip@ucsd.edu

In article <CSLE87-180794094944@145.39.1.10>,
Karl Beckman <CSLE87@email.mot.com> wrote:

>A) The system you are proposing to use is subject to FCC restrictions

>(Part 15) on antenna heights. If you are running digital SS, I believe
>they limit you to 1 watt *ERP* at 25 feet, since you are an UNLICENSED
>secondary user of this band (902-928 MHz).

The transmitter is 250 mW. Would the height restriction be the same for
this much power?

>B) The frequencies you are using are also used by LICENSED PRIMARY users
>in your area who may cause serious interference to your system, and to whom
>you are prohibited from causing any interference of any sort. If your
>unlicensed SS system does cause problems to them, you must cease operation
>immediately. These primary users (who are operating a high power wide-area
>vehicle location and tracking system) have absolute priority over all other
>(secondary) unlicensed occupants of the 902-928 MHz spectrum, including
>many other systems like yours and endless varieties of cordless telephones.

My area is Laramie, Wyoming. Who are these primary users?

>C) This band is also shared with many licensed amateur stations in your
>area who will be running significantly higher power, up to 1000W with
>nearly unlimited antenna height. They are also secondary users, but with a
>very high profile that may seriously degrade your ability to operate. Your
>system is not entitled to ANY protection from interference from any other
>source.

Fortunately, the antennas which will be pointed at this one will all be
directional (about 6 degrees, and less than a mile away). To what extent
will licensed transmissions be a problem?

>D) A true 9 dB omnidirectional antenna (PD1110) is 13.2 feet long with 1.7
>sq ft of windload area, not a terribly small device. Be sure that your
>antenna support structure can handle that during peak winds of up to 100
>mph.

Will need to get ratings on this.

>How often do you get icing on antennas on your building? Windload
>with 1/2" radial ice goes up to 2.4 sq ft and a bending moment of 464
>ft-lb, much more than the RS mast can handle.

The building has no antennas at present. There are occasional ice storms,
though, so I'm planning on having to deal with some icing. Where can I
find the formulae to calculate bending moments, etc.?

>If any of these points are beyond your capabilities, call a professional
>radio service and/or a professional tower installation company for
>assistance. The slight extra cost to do things right may be quite
>worthwhile in the long run.

May have to consult one. I have the math and physics but not the hard-won practical experience (and I don't care to win it)....

--
"Beware when the great God lets loose a thinker on this planet.
 Then all things are at risk. It is as when a conflagration has
 broken out in a great city, and no man knows what is safe, or
 where it will end."   -- Ralph Waldo Emerson

Date: 19 Jul 1994 07:39:54 GMT
From: news.columbia.edu!konichiwa.cc.columbia.edu!rbe3@RUTGERS.EDU
Subject: Carrier-current antenna alternative
To: ham-equip@ucsd.edu

I built a Ramsey FM10a and it does work really well. The only problem seems to be with the propogation through a seventeen story steel and concrete building which my radio station is trying to reach. I have a standard dipole oriented with the signal lobes going vertically. I've considered a ground plane but that does not seem appropriate for vertical coverage.

The Ramsey manual mentions something called "carrier-current" but tactifully evades saying anything more on it. Essentially it is an antenna alternative which allows the signal to be broadcast through a building's power outlets via internal wiring. I have not been able to find any information on this topic in any ARRL book or maazines or anywhere!

If anyone knows how to set up a "carrier-current" antenna configuration or knows where any information on this topic can be found, I would be greatly appreciative. Either post on this group or email rbe3@columbia.edu with any information. Thanks!

Branden Emmerson
rbe3@columbia.edu
KE6EYW

Date: 18 Jul 1994 18:29:20 GMT
From: news.columbia.edu!konichiwa.cc.columbia.edu!mac20@RUTGERS.EDU
Subject: FT 530 Deviation or Audio Gain adjustments ?
To: ham-equip@ucsd.edu

Can anyone point me to where i might be able to find out about
adjusting the deviation and/or the audio gain on the Yaesu FT-530 HT?
the audio is kinda low,i hope to get it checked out on a deviation

meter someday but am trying to corner some information first.

Anyone else with the same problem and/or solution? :-)

Mike Cecere KF2NV
Applied Physics Department
Columbia University

Date: 19 Jul 1994 00:11:51 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!porayath@network.ucsd.edu
Subject: Getting rid of 27MHZ clock interference
To: ham-equip@ucsd.edu

I am not sure if this is the right group. No harm trying.

I have a 27MHZ clock signal connected to a PC card. The problem is that
the ground plane of the PC card shows a 20millivolt signal which wrecks
other amplifier circuits on the board. I am using a coaxial cable. Any
clue as to how I can keep the ground plane clean.

Date: 19 Jul 94 05:49:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ham-Equip Digest V94 #238
To: ham-equip@ucsd.edu

Looking for a manual with schematics for the Yaesu FT-127 220 mHz
rig. Any/all info appreciated. E-Mail to 0005018901@mcimail.com
Thanks es 73 de John/NS1Z @ NS1Z.FN44rn.ME.USA.NOAM

Date: Mon, 18 Jul 94 19:22:32 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!kea.jpl.nasa.gov!kea!
jjm@network.ucsd.edu
Subject: ICOM V21 Rx Expansion
To: ham-equip@ucsd.edu

Does the keyboard sequence for expanding the receive on the Icom W21AT
(2m/440) also work on the V21AT (2m/220)? What effect does this have on the
HT's performance, e.g., more intermod problems? How do you undo this mod?
Will the complete reset undo it? Will the partial reset (which doesn't
affect all the memory channels) undo it?

Thanks.
KE6IGX
Jim Margitan

Date: Mon, 18 Jul 1994 14:05:21 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!quintro!
rlile.glenqcy.glenayre.com!rel@network.ucsd.edu
Subject: Looking for "thru the wall" coax connectors
To: ham-equip@ucsd.edu

In article <herbrCt1xDq.2o8@netcom.com> herbr@netcom.com (Herb Rosenberg) writes:

>I am looking for a thru the wall coax connector and face plate to use for
>connector RG8 coax with PL259's. I don't know if anyone makes anything
>like this. Ideally I would like to have 2 - 4 SO239 connectors on some
>sort of wall plate that I could mount on the wall of the shack.

>Does anyone out there know of anything like this and where I might find it?

>Thanks.

>--
>herbr@netcom.com

First check out a local hamfest. Many of the coax connector dealers which
have been showing up in this area have been selling a threaded barrel
connector, with nuts allowing you to put it through a 5/8 inch hole. Once you
have the connectors, get a piece of aluminum, heavy cake pan will do, and
drill to mount the connectors.

You're done.

If the dealers have not thought to bring this connector with them, try various
vendors in QST, CQ, or 73 magazine.

Ron K0RL

Date: Mon, 18 Jul 1994 23:53:36 -0500
From: newsflash.concordia.ca!altitude!dino.hip.cam.org!user@uunet.uu.net
Subject: looking for 6m rig
To: ham-equip@ucsd.edu

Anyone have a good 6M mobile rig at a reasonable price, I need especially
the 53.01rx/52.01tx pair. 10W or less.

IF you have such a beast drop me a note.

73 de Dino

--
    """""""""""""""""""""""
    | Dino Moriello   """""""""""""""""""""""
    | PO BOX 105   Internet: dino@CAM.ORG """""""""""""""""""""""
    | Radisson,Quebec Compuserve: 76120,1472 Tel.: 514-974-0773 |
    | CANADA J0Y 2X0 Packet: VE2DM@VE2FKB   819-638-8281 |
    """
    Please E-mail replies since I can't always read the USENET postings.

Date: 19 Jul 1994 01:05:08 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Maxon Radio Mod?? PLEASE HELP!!
To: ham-equip@ucsd.edu

In article <May12.223000.60534@acs.ucalgary.ca>,
schwart6@etu1.educ.ucalgary.ca (Lance Titchkosky) writes:

>Hey all... I've got a Maxon VHF Radio.. Model Number CS-0510-HD
>ts a 5W VHF Transceiver... What I'm wanting to know is if there
>is any way to modify it for 2m (Make it like a 2m HT eh?) If so
>email, or post so others can give advice..

I know this response is late
I just was 'lent' one of those Maxon radios, I took off the back and
found crystals! Looks like you will need to get some crystals (one for
transmit and one for receive) in the 2m band in order to use the radio.
Let me know if you found out anything about this like:
Price of batteries, crystals, etc.
Thanks KD6QFE   JimBeckman@aol.com

Date: 18 Jul 94 14:47:34 GMT
From: ftpbox!mothost!delphinium.cig.mot.com!mustang3!thweatt@uunet.uu.net
Subject: R100 for Sale (100MHz to 1.8xx GHz)
To: ham-equip@ucsd.edu

Are you interested in getting a quality receiver
which can receive everything from 100MHz to 1.8 GHZ.
Has AM, FM and Wide FM modes, over 100 Memory channels

and about 10 scanning banks? I bought this radio
since I was new to the Ham radio hobby and wanted to see
what the airwaves have instore. Well, I am now in the
process of purchasing a more limited receiver/transmitter
and would like to sell this radio at this time. I do
not want to take less than $500 but I might be willing
to pay shipping and handling to get this radio to you.
It is in mint conditon and is only a year old. It has ALL
original equipment included with it, mounting brackets, antennas,
manual, etc.

Let me know if your interested, got to go.

Date: Tue, 19 Jul 1994 01:22:25 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!cobra.uni.edu!sunfish!charlie.usd.edu!
MBANKS@network.ucsd.edu
Subject: RDF Unit
To: ham-equip@ucsd.edu

I'm looking for a fixed RDF Unit in the 156 MHz range. Please contact me at
mbanks@charlie.usd.edu. Thanks. Barry Banks

Date: 18 Jul 1994 19:21:32 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!news1.oakland.edu!vela.acs.oakland.edu!
prvalko@network.ucsd.edu
Subject: RS rumors
To: ham-equip@ucsd.edu

David Cook (davidc@lsid.hp.com) wrote:
: Jerry Dallal (jerry@hnrc.tufts.edu) wrote:
: : A visit to RS today got me these rumors from the staff:
: : The 6m rig rumor is false; an HF transceiver (10-80 m) is planned in the
: : $200-$300 price range.

: What kind of HF rig are they going to be able to come up with for that kind
: of price? Any rumors in that area? Seems like it could only be something like
: a TEN-TEC Scout only low power (and quality???).

I agree Dave, They had the little 10M rig and I believe it cost about
$300 when it first came out! The Ten*Tec Argo costs $499 and it's only
one band (at a time). I thinks Jerry's friends are pulling his leg.

I'd LOVE to see RS come out with a 6 (or 2) Meter version of the HTX-100
(or whatever it was called) for the same price.

73 =paul= wb8zjl

Date: 18 Jul 1994 12:50:43 -0700
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!ctp.org!not-for-mail@network.ucsd.edu
Subject: Wanted: Tri/dual bander HT
To: ham-equip@ucsd.edu

I'm looking for a tri/dual bander. I'll consider other models, but
here's what I'm looking for:

Icom 1A
Kenwood 78A
Y - 530

Email twilliam@mhs.mendocino.k12.ca.us

Thanks

Date: 19 Jul 94 01:50:27 GMT
From: news.delphi.com!BIX.com!hamilton@uunet.uu.net
Subject: Wanted: Tri/dual bander HT
To: ham-equip@ucsd.edu

tewilli@eis.calstate.edu (Ted R Williams) writes:

>I'm looking for a tri/dual bander. I'll consider other models, but
>here's what I'm looking for:

>Icom 1A
>Kenwood 78A
>Y - 530

Look at the new Kenwood TH-79A also. It's got a new
alphanumeric display that let's you display names or
locations rather than just frequencies in your
memories. Also, it's got a built-in menu system to
make it easier to use. Not cheap, though. List is
$599; figure street price at arount $490.

Regards,
Doug Hamilton   KD1UJ   hamilton@bix.com   Ph 508-358-5715

Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, U.S.A.

Date: Tue, 19 Jul 1994 02:14:32 GMT
From: gsm001!gsmlrn@uunet.uu.net
To: ham-equip@ucsd.edu

References <1994Jul17.195340.2644@hnrc.tufts.edu>, <Ct57nG.8D5@hpcvsnz.cv.hp.com>,
<30ekns$j6d@oak.oakland.edu>
Subject : Re: RS rumors

prvalko (prvalko@vela.acs.oakland.edu) wrote:
: They had the little 10M rig and I believe it cost about
: $300 when it first came out! The Ten*Tec Argo costs $499 and it's only
: one band (at a time).

It's now $549.00.

The TenTec Scout is a good rig, but it is designed as only a ham would
design it. It is basicly a simple rig without a synthesiser. It uses a
PTO and computer controlled variactors to correct drift. This
system works well and has no sythesiser noise.

It does require extensive programming when you consider the microprocessor
also emulates a curtis keyer too.

TenTec equipment is also designed to be easy to fix by people who do
not understand surface mount electronics and complex digital logic.

The down side of the Scout is it is relatively expansive to make, especially
with "highly paid" american labor. Any radio shack rig would be made in
Korea by "low paid" machines.

Another important point is profit margin. Radio Shack can buy parts cheaper,
and spread development costs out over a much larger product run.

Radio Shack already sells a whole line of hf (11m) rigs under
$150, with ssb, digital signal processing, base station power supplies, etc.
Many of these radios are under $100. A simple 80m (3.5-4Mhz) ssb/cw rig could
be extended to 2x (40m), 3x (30m), 4x (20m), 6x(15m), 8x (10m).

The only tricky part is to get lsb on 80m,40m and usb on 20m up.

5 watts out cw/ 25 watts pep ssb would be fine.

73,

Geoff.

--
"I am number six. Others come and others go, but I am always number six."
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

End of Ham-Equip Digest V94 #240
****